

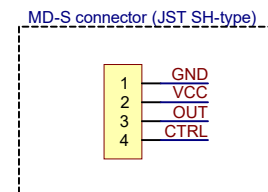
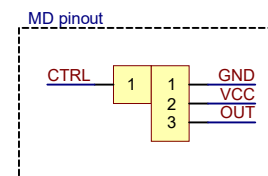
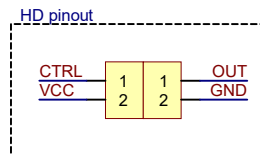
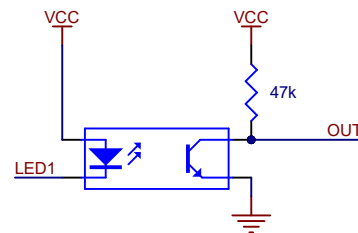
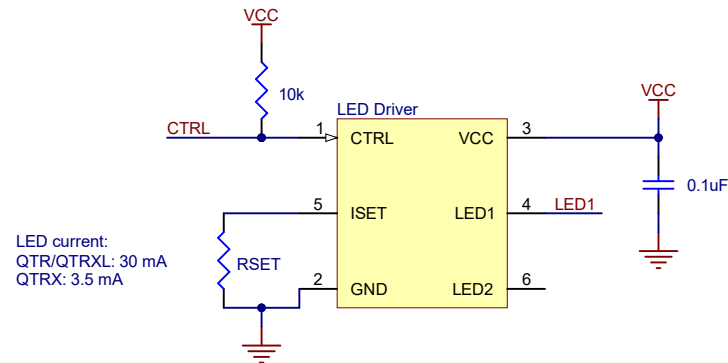
# QTR/QTRX/QTRXL Reflectance Sensor Arrays

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## Schematic diagram

QTR-HD-01A  
QTRX-HD-01A  
QTRXL-HD-01A

QTR-MD-01A(-S)  
QTRX-MD-01A(-S)  
QTRXL-MD-01A(-S)



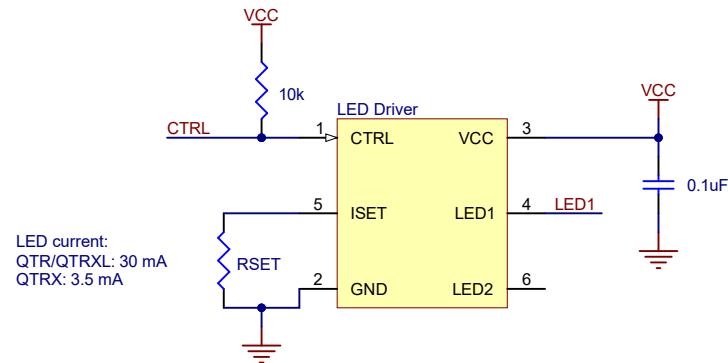
# QTR/QTRX/QTRXL Reflectance Sensor Arrays

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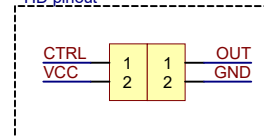
## Schematic diagram

QTR-HD-01RC  
QTRX-HD-01RC  
QTRXL-HD-01RC

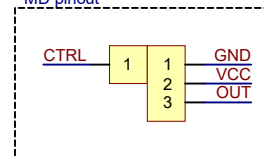
QTR-MD-01RC(-S)  
QTRX-MD-01RC(-S)  
QTRXL-MD-01RC(-S)



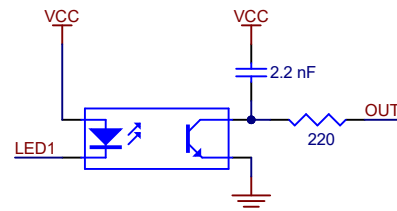
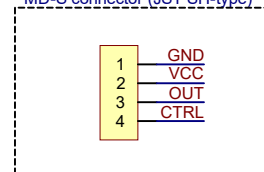
HD pinout

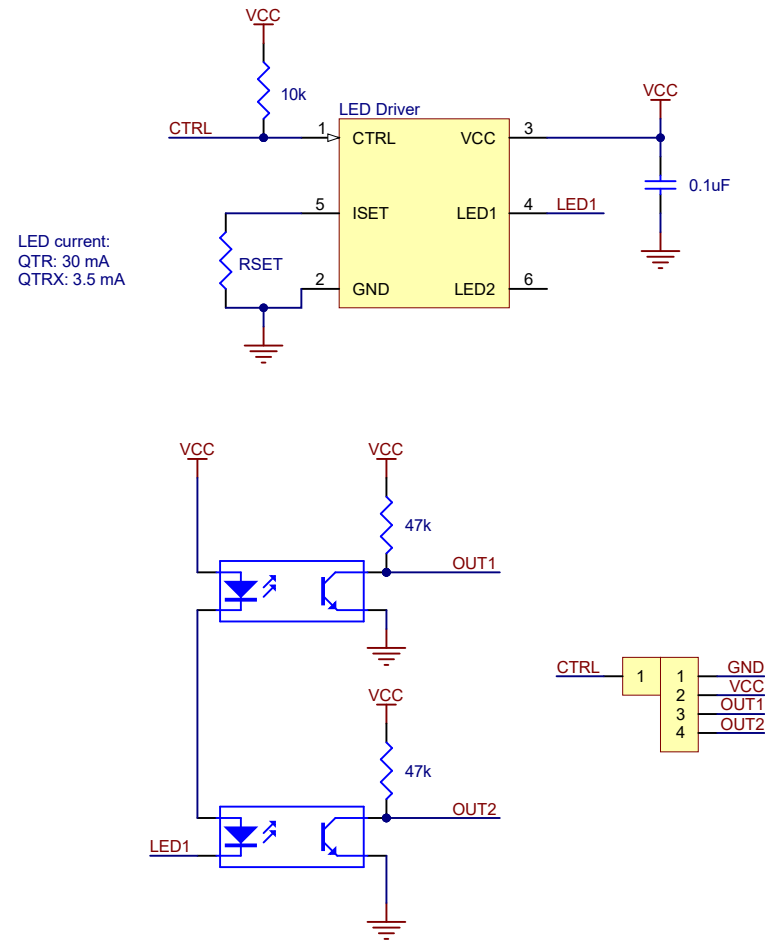


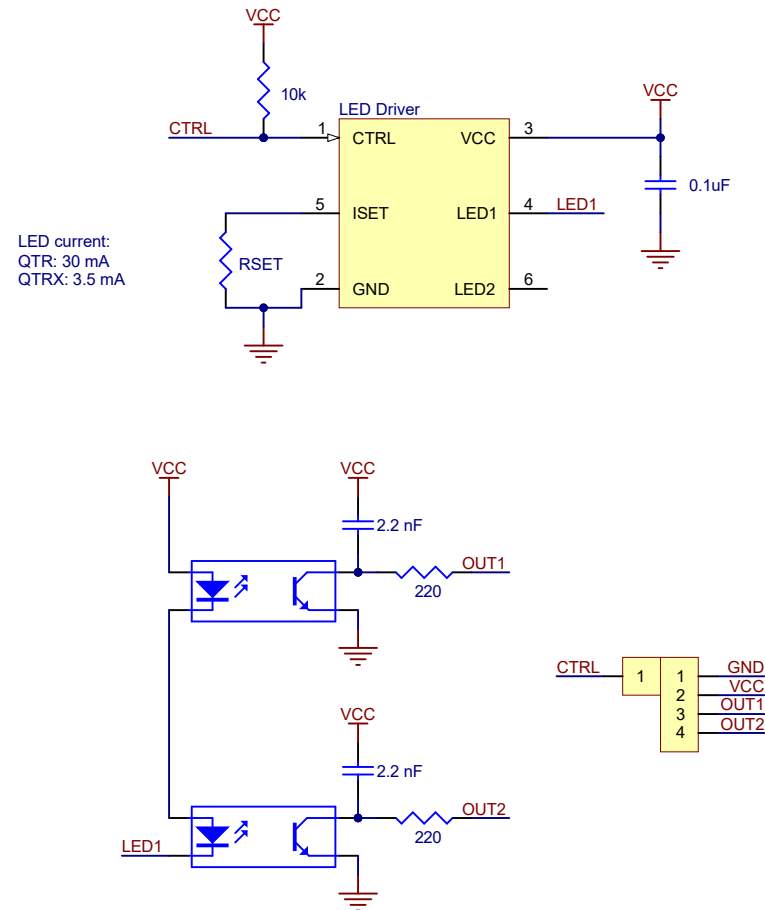
MD pinout



MD-S connector (JST SH-type)

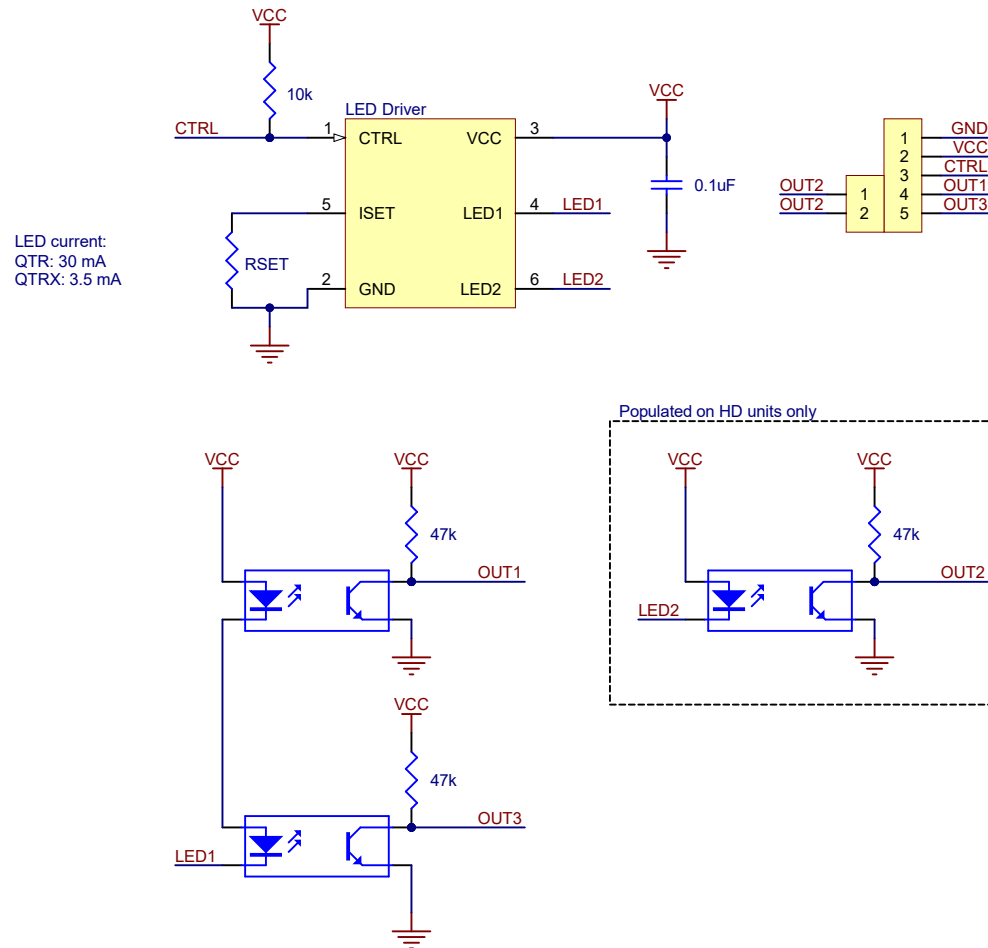






QTR-HD-03A  
QTRX-HD-03A

QTR-MD-02A  
QTRX-MD-02A



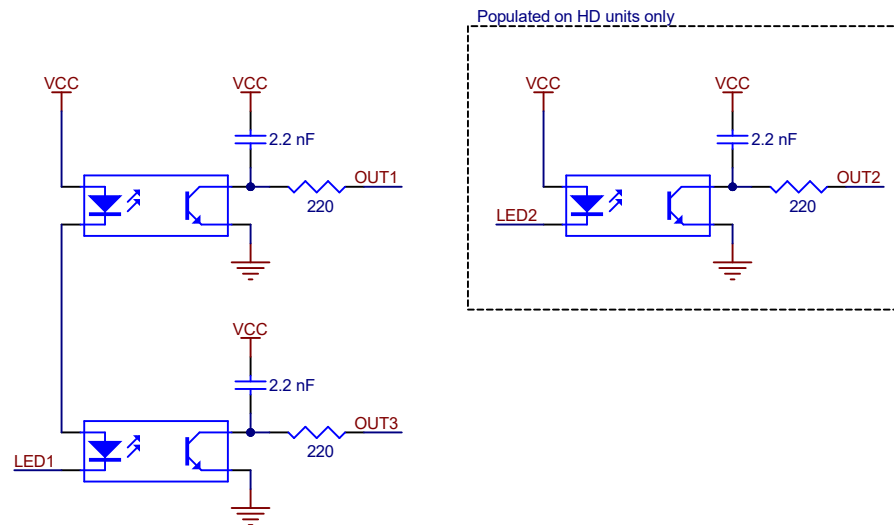
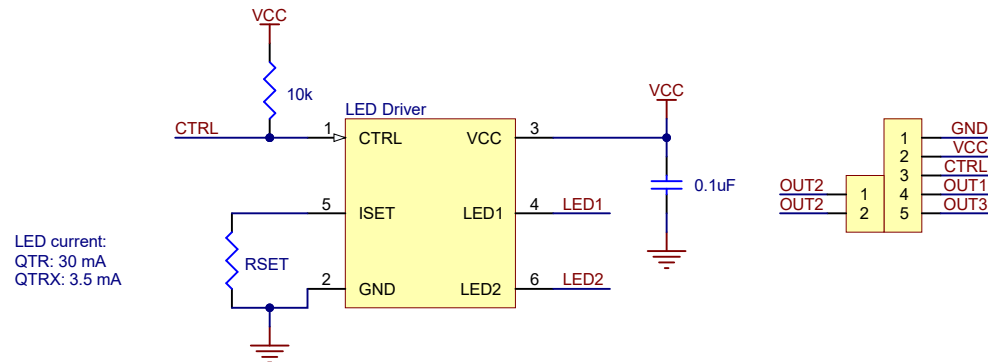
# QTR/QTRX/QTRXL Reflectance Sensor Arrays

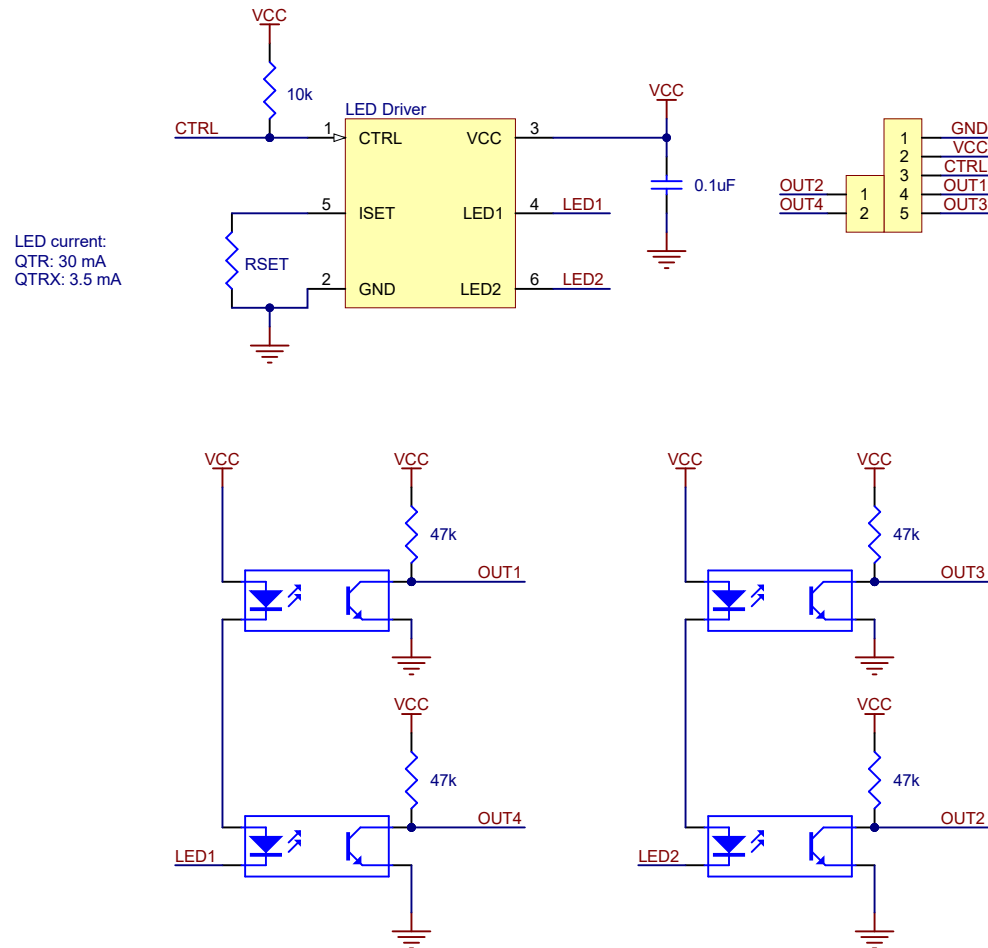
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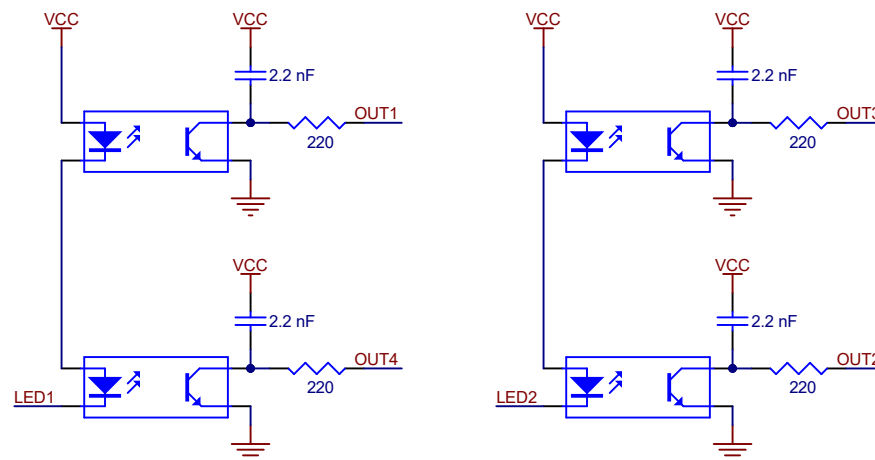
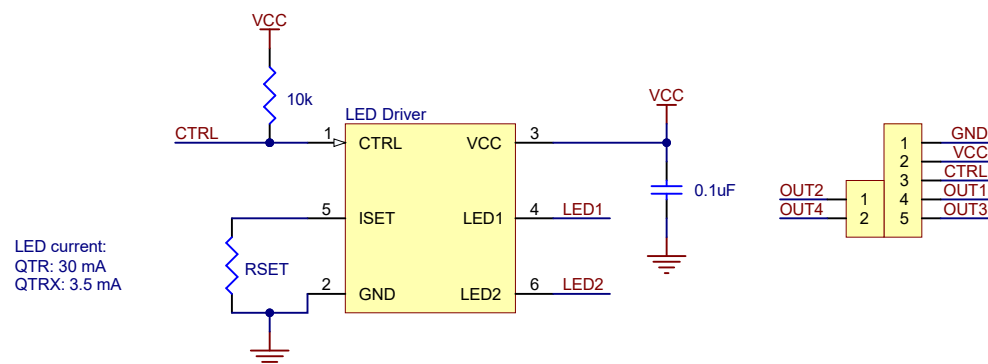
## Schematic diagram

QTR-HD-03RC  
QTRX-HD-03RC

QTR-MD-02RC  
QTRX-MD-02RC



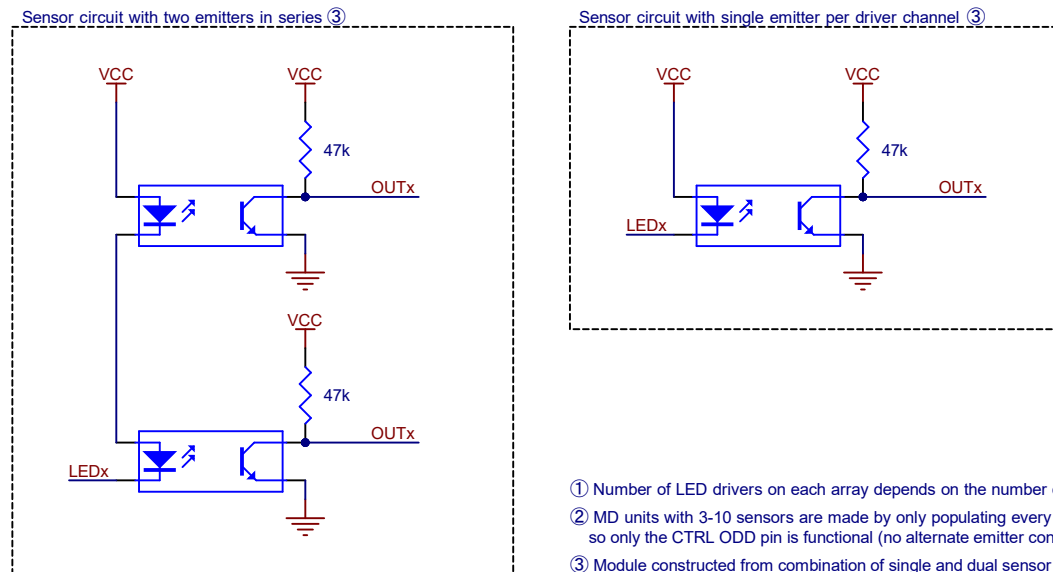
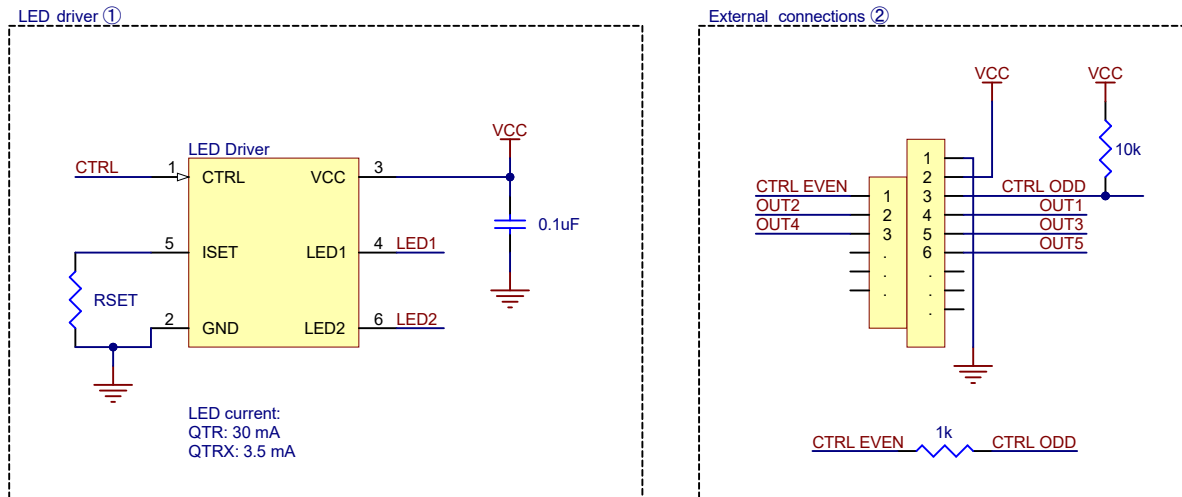






QTR-HD-nA  
QTRX-HD-nA  
(for  $n \geq 5$ )

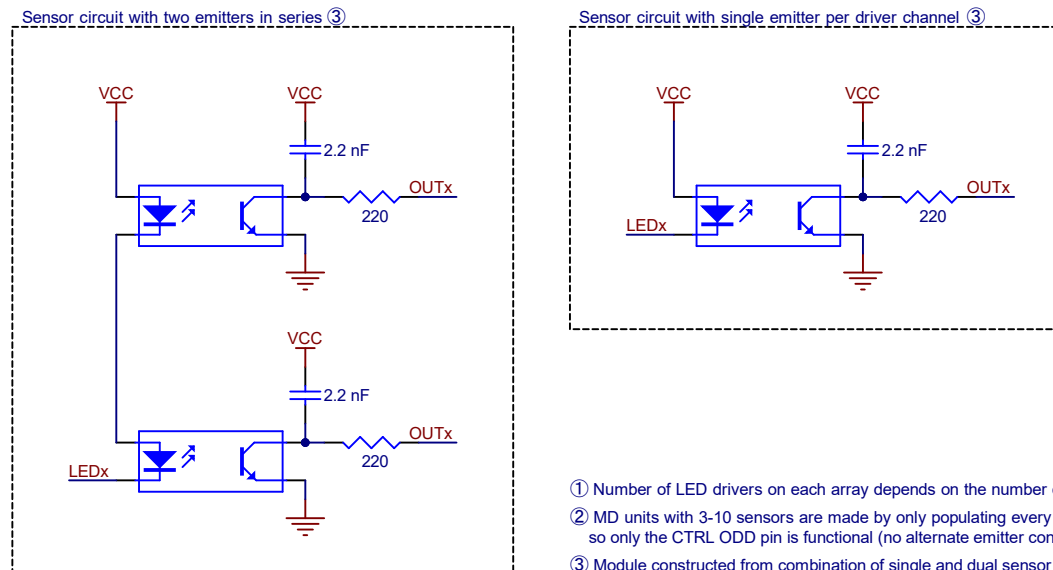
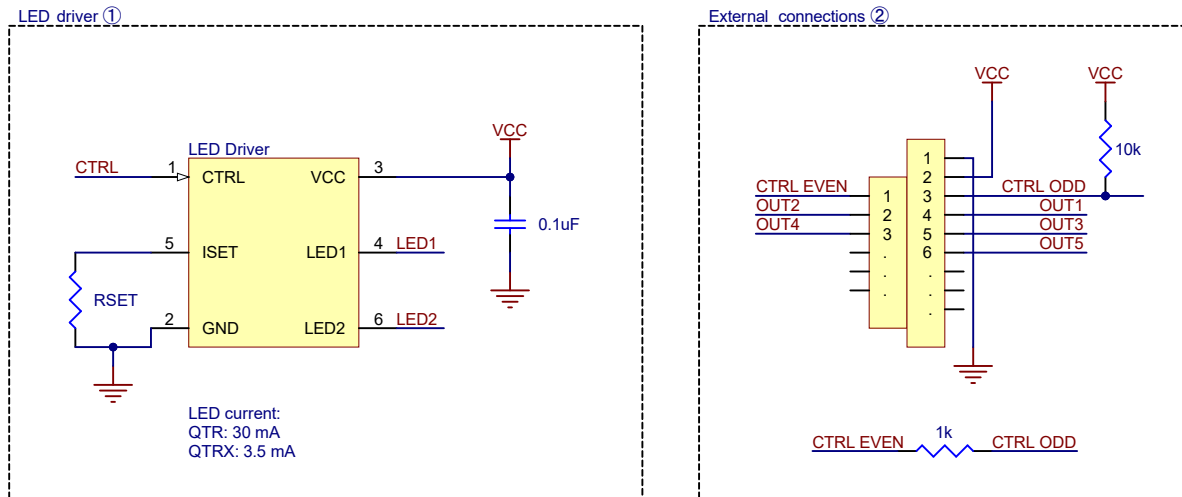
QTR-MD-nA  
QTRX-MD-nA  
(for  $n \geq 3$ ) ②



- ① Number of LED drivers on each array depends on the number of sensors populated
- ② MD units with 3-10 sensors are made by only populating every other sensor on an HD board, so only the CTRL ODD pin is functional (no alternate emitter control)
- ③ Module constructed from combination of single and dual sensor circuits

QTR-HD-nRC  
QTRX-HD-nRC  
(for  $n \geq 5$ )

QTR-MD-nRC  
QTRX-MD-nRC  
(for  $n \geq 3$ ) ②



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